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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/030,525	07/24/2002	Naoki Tamitani	SOEI/0016	5906	
75	02/03/2004		EXAM	EXAMINER	
Moser Patterson & Sherdian			CHEN, KIN CHAN		
Suite 1500					
3040 Post Oak Boulevard			ART UNIT	PAPER NUMBER	
Houston, TX 77056			1765		

DATE MAILED: 02/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application	No.	Applicant(s)				
	10/030,525		TAMITANI ET AL.				
Office Action Summary	Examiner		Art Unit				
	Kin-Chan C		1765				
The MAILING DATE of this communication app Period for Reply	pears on the c	over sheet with the co	orrespondence add	ress			
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b). Status	136(a). In no event by within the statuto will apply and will e e, cause the applica	, however, may a reply be tim ry minimum of thirty (30) days expire SIX (6) MONTHS from t tition to become ABANDONED	ely filed will be considered timely. he mailing date of this cor 0 (35 U.S.C. § 133).	nmunication.			
1) Responsive to communication(s) filed on <u>02 C</u>	October 2003.			•			
·	action is non	-final					
3) Since this application is in condition for allowards closed in accordance with the practice under the condition of the condition for allowards.	ance except fo	or formal matters, pro	secution as to the 3 O.G. 213.	merits is			
Disposition of Claims			•				
. 4) Claim(s) 1-20 is/are pending in the application	n.						
4a) Of the above claim(s) is/are withdra		sideration.					
5) Claim(s) is/are allowed.							
6)☐ Claim(s) is/are rejected.							
7) Claim(s) is/are objected to.	•						
8) Claim(s) <u>1-20</u> are subject to restriction and/or	election requ	irement.	•				
Application Papers							
9)☐ The specification is objected to by the Examin				•			
10)☐ The drawing(s) filed on is/are: a)☐ acc							
• • • • • • • • • • • • • • • • • • • •	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correct							
11)☐ The oath or declaration is objected to by the E	Examiner. Not	e the attached Office	Action or form P1	O-152.			
Priority under 35 U.S.C. §§ 119 and 120	,						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureat * See the attached detailed Office action for a list 13) Acknowledgment is made of a claim for domest since a specific reference was included in the first sentence of the priority document is made of a claim for domest since a specific reference was included in the first sentence of the priority document is made of a claim for domest reference was included in the first sentence of the priority document is made of a claim for domest reference was included in the first sentence of the priority document is made of a claim for domest reference was included in the first sentence of the priority document is made of a claim for domest reference was included in the first sentence of the priority document is made of a claim for domest reference was included in the first sentence of the priority document is made of a claim for domest reference was included in the first sentence of the priority document is made of a claim for domest reference was included in the first sentence of the priority document is made of a claim for domest reference was included in the first sentence of the priority document is made of a claim for domest reference was included in the first sentence of the priority document is made of a claim for domest reference was included in the first sentence of the priority document is made of a claim for domest reference was included in the first sentence of the priority document is made of a claim for domest reference was included in the first sentence of the priority document is made of a claim for domest reference was included in the first sentence of the priority document is made of a claim for domest reference was included in the first sentence of the priority document is made of a claim for domest reference was included in the first sentence of	nts have been ority documer au (PCT Rule at of the certificatic priority undirst sentence of the covisional appositic priority undirst priority undirectional appositic priority undirectional appointment appositic priority undirectional appointment appointmen	received. received in Applications have been received 17.2(a)). ed copies not received ar 35 U.S.C. § 119(a) of the specification or lication has been received ar 35 U.S.C. §§ 120	on No ed in this National and. e) (to a provisional in an Application eived. and/or 121 since	application) Data Sheet. a specific			
Attachment(s)			(DTO 440) D				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 	!	4)					

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DETAILED ACTION

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-17, drawn to a method of etching metal film.

Group II, claim(s) 18-20, drawn to a product of a semiconductor device.

2. The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: forming a metal film, forming a hard mask on the metal film, and etching the metal film with the hard mask to form metal wiring of the pattern is obvious in the art of semiconductor device fabrication (see US 6,140,238, Figs 1 and 2; also see US2002/0027291, Fig. 6A and 6B).

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

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3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kin-Chan Chen whose telephone number is (571) 272-1461. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine Norton can be reached on (571) 272-1465. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-0988.

Jan. 26, 2004

Kin-Chan Chen Primary Examiner Art Unit 1765